INTERNATIONAL SEARCH REPORT

ational Application No rui/US 02/07864

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D01D5/08 D01F6/60 D01D5/253 D02G3/04 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 D01D D01F D026 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X EP 0 601 372 A (BASF CORP) 1,2,8, 15 June 1994 (1994-06-15) 12, 15-17.19 the whole document X DATABASE WPI 1,8,12, Section Ch, Week 199137 13, Derwent Publications Ltd., London, GB; 15-17,19 Class F02, AN 1991-271793 XP002220669 & JP 03 180529 A (TORAY IND INC), 6 August 1991 (1991-08-06) abstract Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the dalmed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or *P* document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of malling of the international search report 04/12/2002 13 November 2002 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Form PCT/ISA/210 (second sheet) (July 1992)

Tarrida Torrell, J

INTERNATIONAL SEARCH REPORT

Ir itional Application No PCT/US 02/07864

	CT/US 02/07864
	Total Control
Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
DATABASE WPI Section Ch, Week 197827 Derwent Publications Ltd., London, GB; Class A23, AN 1978-48308A XP002220670 & JP 53 058024 A (TORAY IND INC), 25 May 1978 (1978-05-25) abstract	1,8, 12-17,19
DATABASE WPI Section Ch, Week 199211 Derwent Publications Ltd., London, GB; Class A23, AN 1992-083502 XP002220671 & JP 04 024240 A (TOYOBO KK), 28 January 1992 (1992-01-28) abstract	1,8,13, 16-18, 20,23
DATABASE WPI Section Ch, Week 197704 Derwent Publications Ltd., London, GB; Class A23, AN 1977-06717Y XP002220672 & JP 51 143726 A (TORAY IND INC), 9 December 1976 (1976-12-09) abstract	1,6,17, 18,20,23
PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) & JP 09 003746 A (UNITIKA LTD), 7 January 1997 (1997-01-07) abstract	1,6,17, 18,20,23
DATABASE WPI Section Ch, Week 199538 Derwent Publications Ltd., London, GB; Class A23, AN 1995-291008 XP002220673 & JP 07 189058 A (KANEBO LTD),	1,17,18, 20,23
25 July 1995 (1995-0/-25) abstract	3-5,21, 22
EP 0 041 865 A (E.I. DU PONT DE NEMOURS AND COMPANY) 16 December 1981 (1981-12-16) the whole document	3-5,21, 22
	Section Ch, Week 197827 Derwent Publications Ltd., London, GB; Class A23, AN 1978-48308A XP002220670 & JP 53 058024 A (TORAY IND INC), 25 May 1978 (1978-05-25) abstract DATABASE WPI Section Ch, Week 199211 Derwent Publications Ltd., London, GB; Class A23, AN 1992-083502 XP002220671 & JP 04 024240 A (TOYOBO KK), 28 January 1992 (1992-01-28) abstract DATABASE WPI Section Ch, Week 197704 Derwent Publications Ltd., London, GB; Class A23, AN 1977-06717Y XP002220672 & JP 51 143726 A (TORAY IND INC), 9 December 1976 (1976-12-09) abstract PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) & JP 09 003746 A (UNITIKA LTD), 7 January 1997 (1997-01-07) abstract DATABASE WPI Section Ch, Week 199538 Derwent Publications Ltd., London, GB; Class A23, AN 1995-291008 XP002220673 & JP 07 189058 A (KANEBO LTD), 25 July 1995 (1995-07-25) abstract EP 0 041 865 A (E.I. DU PONT DE NEMOURS AND COMPANY) 16 December 1981 (1981-12-16)

INTERNATIONAL SEARCH REPORT

Information on patent family members

ii (tional Application No PCI/US 02/07864

					1 101	/US 02/0/864
	atent document d in search report		Publication date		Patent family member(s)	Publication date
EP	0601372	Α	15-06-1994	US	5413857 A	09-05-1995
				DE	69315041 D1	11-12-1997
				DE	69315041 T2	20-05-1998
				EP	0601372 A1	15-06-1994
				JP	6240529 A	30-08-1994
				US	5486417 A	23-01-1996
				US	5512367 A	30-04-1996
				US	5489475 A	06-02-1996
				CA	2106421 A1	11-06-1994
JP	3180529	Α	06-08-1991	JP	2853873 B2	03-02-1999
JP	53058024	Α	25-05-1978	JP	1331182 C	14-08-1986
				JP	59049334 B	01-12-1984
JP	4024240	Α	28-01-1992	NONE		_
JP	51143726	Α	10-12-1976	JP	1046921 C	28-05-1981
				JP	55041335 B	23-10-1980
JP	09003746	Α	07-01-1997	NONE		
JP	7189058	Α	25-07-1995	JP	2731345 B2	25-03-1998
EP	0041865	Α	16-12-1981	US	4295329 A	20-10-1981
				CA	1159241 A1	27-12-1983
				DE	3167291 D1	03-01-1985
				EP	0041865 A2	
				JP	1408571 C	27-10-1987
				JP	57025430 A	10-02-1982
				JP	62008528 B	23-02-1987